

**What is claimed is:**

1. A suppressant of toxicity induced by a cancer chemotherapeutic agent, comprising xanthorrhizol as an active ingredient.

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2. The suppressant according to claim 1, wherein the toxicity is hepatotoxicity or nephrotoxicity.

3. The suppressant according to claim 1 or 2, wherein the cancer  
10 chemotherapeutic agent is a platinum-based anti-cancer drug selected from the group consisting of cisplatin (cis-diamminedichloroplatinum [II]), carboplatin, oxaliplatin, nedaplatin and mixture thereof.

4. An anti-cancer composition comprising a cancer chemotherapeutic agent  
15 and xanthorrhizol, wherein the xanthorrhizol suppresses toxicity induced by the cancer chemotherapeutic agent.

5. The anti-cancer composition according to claim 4, wherein the cancer  
20 chemotherapeutic agent is a platinum-based anti-cancer drug selected from the group consisting of cisplatin (cis-diamminedichloroplatinum [II]), carboplatin, oxaliplatin, nedaplatin and mixture thereof.

6. The anti-cancer composition according to claim 4 or 5, wherein the  
25 amount of xanthorrhizol is from 0.01 to 10 times by weight of the cancer chemotherapeutic agent.